

Alabama A&M University Nuclear Education and Outreach Program (AAMU-NEOP) – Phase 2

Executive Summary

The long-range goal of the Alabama A&M University Nuclear Education and Outreach Program (AAMU-NEOP) is to produce top-notch graduates, including women and underrepresented minorities, who will work in a variety of nuclear energy and security related positions. This program establishes a sustainable educational infrastructure that supports and advances workforce development in fields critical to the Nuclear Regulatory Commission (NRC).

The specific objectives of the proposed Phase 2 project include: 1) increase nuclear science contents in physics, engineering and technology curricula; 2) increase the number of students graduating with skills in nuclear engineering and technology; and 3) increase the participation of women and underrepresented minorities in nuclear fields through summer research internships at Department of Energy (DOE) national laboratories.

The benefits and outcomes of the proposed Phase 2 project will include: 1) two physics and two engineering technology courses with infused nuclear contents; 2) two underrepresented minority (women and African Americans) undergraduate participants in summer research/internships at DOE national laboratories; 3) and two students that co-authored nuclear research papers published in journals and/or conference proceedings.

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